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Program Manager

Military Sealift Command's

Naval Fleet Auxiliary Force

Expeditionary Warfare Conference

Seabasing and Sustainment Panel

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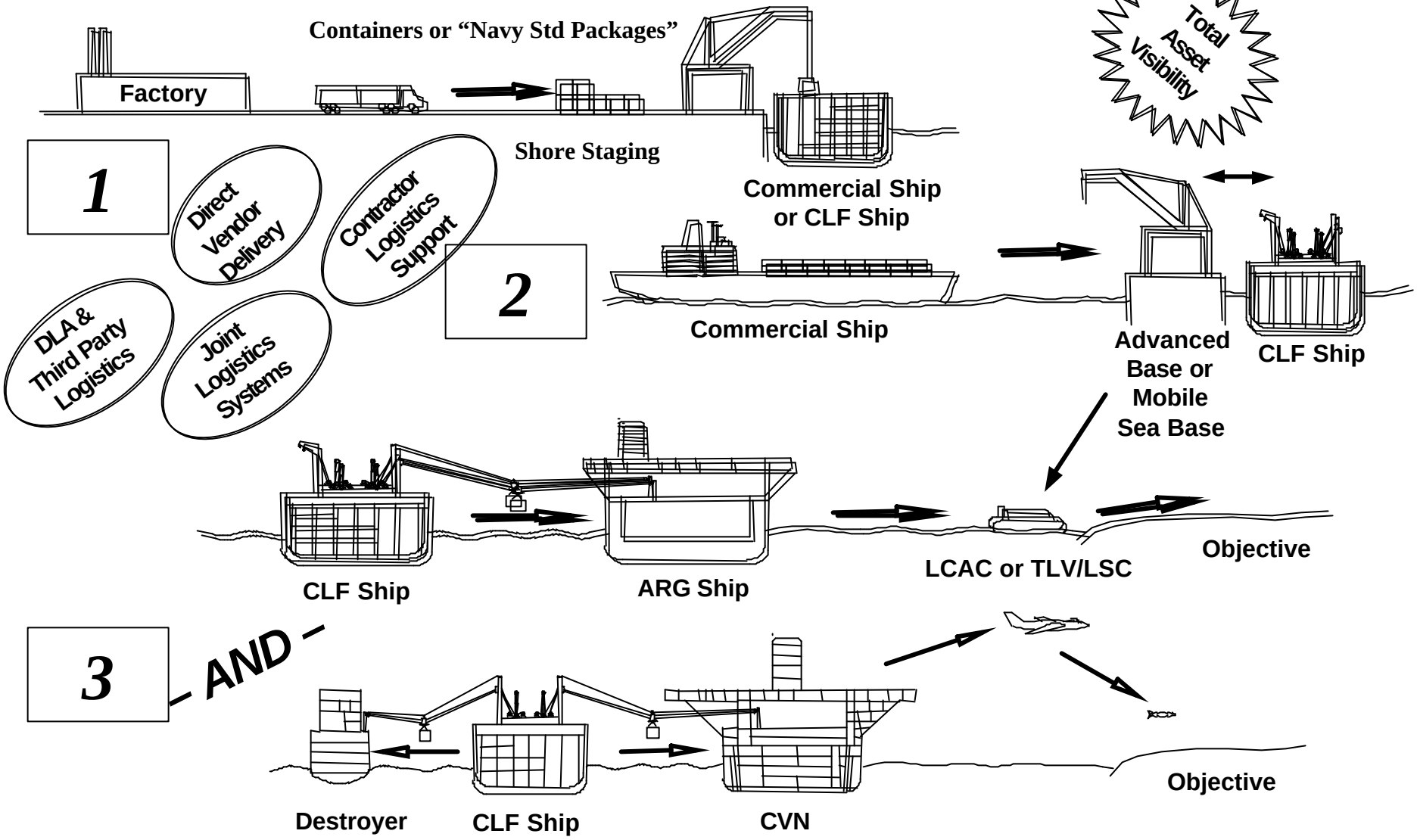
Future Logistics Delivery

- Must meet requirements
- Must support the Fleet
- May be owned or chartered
- Must be interoperable

Operational Logistics
The Way It Is

- **Material Distribution Issues:**
  - **Manpower intensive**
  - **1960s technology**
  - **Non-standard systems**
    - **Material handling/ordnance**
    - **Underway replenishment**
    - **Packaging (cube/weight/unit issue)**

A “System of Systems” Approach



Future Needs

- Transshipment facility
- Speed
- Air and surface delivery
- Interaction with commercial cargo ships
- Dynamic positioning

Commercial Off-The-Shelf

- **Affordable - no up-front construction costs**
- **Faster initial operating capability**
- **Leverages industry R&D and maintenance**

Key R&D Needs

- **Better shipboard cranes**
- **Efficient modular lighterage system**
- **Updated petroleum distribution system**

Sea State Three = Real Challenge

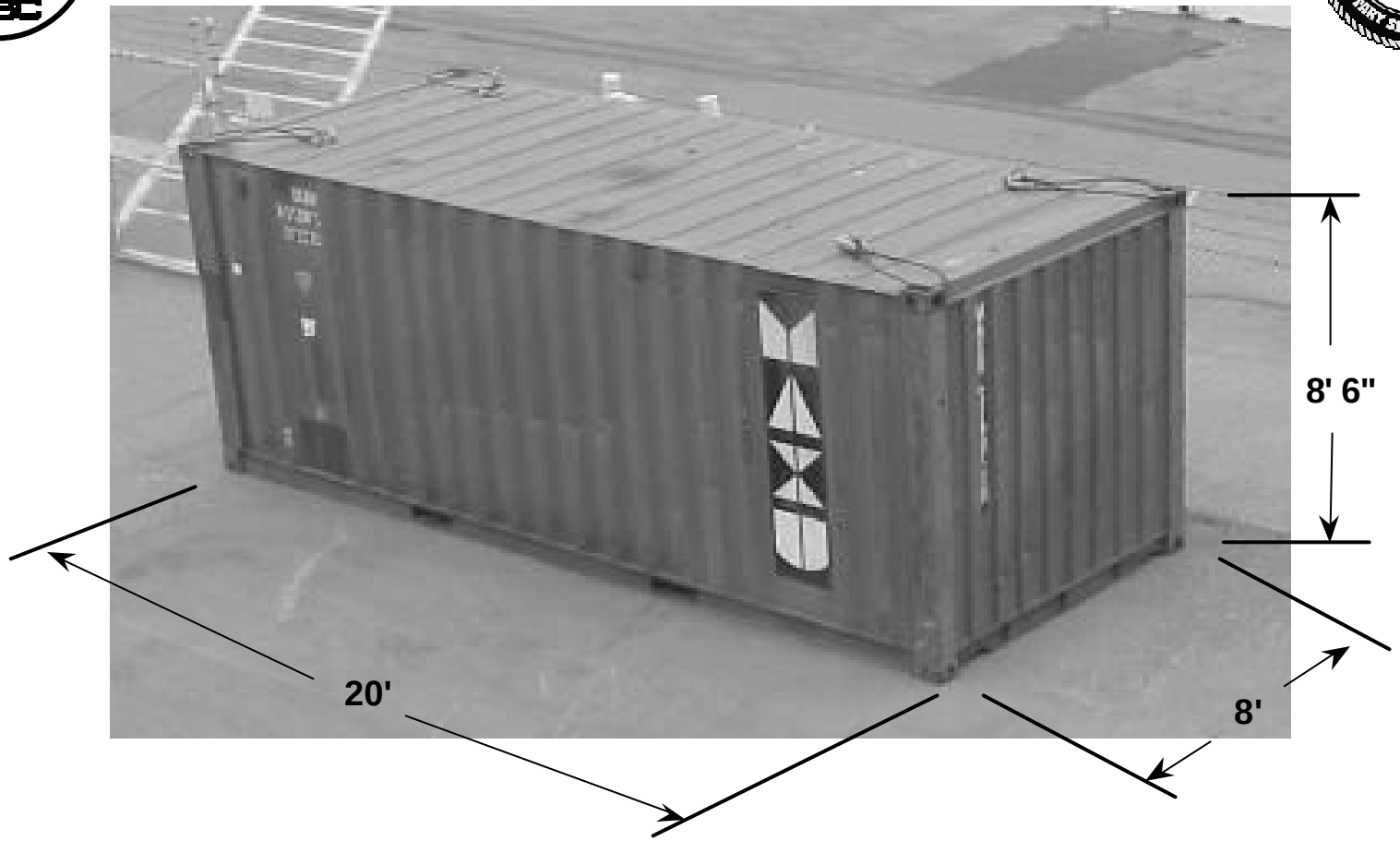
Unrep Technology

Single Pallet Transfer
(Yesterday)

QUADCON Transfer
(Today)

20¢ Container Transfer
(Tomorrow)

Commercial 20 ft. ISO Container



20 ft ISO Container:

MAX Gross Wt. = 52,910 **MAX Net Wt. = 47,928 #**

U.S. Army CROP
(Container Roll-In/Out Platform)

The CROP fits into a single ISO container

The CROP can be loaded quickly

The CROP can be moved where wanted

The CROP can be stacked for retrograde

Single CROP Size: 19' 5” x 7' 7" x 10"

MAX Gross Wt. = 36,250 # MAX Net Wt. = 32,570 #

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